

Public Health Reports

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

VOL. XIII. WASHINGTON, D. C., FEBRUARY 18, 1898. No. 7.

UNITED STATES.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

Yellow fever on the barks Flora and Jafnhar.

CARRABELLE, FLA., February 13, 1898.

SIR: Barks *Flora* and *Jafnhar* arrived thirty-two and thirty-one days, respectively, from Para, Brazil. Bark *Flora* lost 2 men in Para and there were several other cases of yellow fever among the crew. Bark *Jafnhar* lost 1 man in Para and had other cases of yellow fever among the crew. Both vessels remanded to either Pensacola or Ship Island.

T. S. ANDERSON, M. D.,
Port Quarantine Officer.

Second case of variola in Memphis.

MEMPHIS, TENN., February 10, 1898.

SIR: I have the honor to report the occurrence of a second case of variola in this city, in the person of a male negro residing at No. 60 Florida avenue. Name, Geo. Warren; age, 35 years.

It is stated on the card of information that the above-named man came to this city from Birmingham, Ala., four weeks ago.

Respectfully, yours,
W. J. S. STEWART,
Passed Assistant Surgeon, U. S. M. H. S.,
in temporary charge of station.

Smallpox in Atlanta, Ga.

ATLANTA, GA., February 10, 1898.

Twenty-seven cases of smallpox and 1 death since last report. Most cases from county.

THOS. E. VEAL,
Chief, Sanitary Department.

Smallpox in Atlanta.

[Telegram.]

ATLANTA, GA., February 16, 1898.

Two cases since last report. Both from county.

THOS. E. VEAL,
Chief Sanitary Department.*Case of smallpox in Brownsville, Tex.*

BROWNSVILLE, TEX., February 7, 1898.

SIR: I have the honor to report that, on the 3d of February I discovered a case of smallpox at the north corner of the intersection of Elizabeth and Fifth streets in this city. The patient is a Mexican woman 35 years of age. So far she can give no positive history of exposure. In my capacity as city physician I immediately had the house flagged and quarantined, and every precaution is being taken to prevent the disease from spreading.

I am sir, respectfully yours,

FREDERICK J. COMBE,
Acting Assistant Surgeon, U. S. M. H. S.*Smallpox in Charlotte, N. C.*

RALEIGH, February 12, 1898.

SIR: You are hereby informed that 4 cases of smallpox have been reported to this office as existing in Charlotte. The origin of the disease is 1 from Greenville, S. C.; 3 varioloid in vaccinated cases. Precautions taken—isolation and vaccination.

RICH. H. LEWIS,
Secretary of State Board of Health.*Investigation of smallpox at Charlotte, N. C.*

WILMINGTON, N. C., February 14, 1898.

SIR: I have the honor to supplement my telegram from Charlotte, N. C., by the following report: In obedience to your telegraphic instructions of 9th instant, I proceeded by first train to Charlotte, N. C., arriving at 10.30 p. m., February 10. I was met by the acting mayor and city and county physicians. I learned that the situation was as follows: A case, diagnosed as smallpox by the authorities, occurred January 22 in the person of William Jackson (colored), railroad hand, recently returned from Greenville, S. C., where it is supposed he contracted the disease. Jackson died on January 27. The case and all exposed persons were isolated, the latter being all vaccinated. One week after the death of William Jackson his son Oscar Jackson, then in quarantine, developed varioloid; about the same time a girl, Sally Wagoner, developed varioloid in a different part of the city, for which no infection could be traced. This case, and all exposed persons, were removed to the pesthouse. An ordinance of compulsory vaccination was passed by the board of aldermen. The execution of this ordinance met with much opposition in some quarters, especially among the factory and mill hands, due in part to the wide-spread rumor that the cases were not smallpox, but more largely to the fact that many persons who had been

vaccinated had very sore and inflamed arms, and that business was being interfered with on that account. The city authorities wished the matter settled by an officer of the Marine-Hospital Service, feeling that his diagnosis would not be questioned, and would demonstrate the necessity for the measures they had inaugurated. On the morning of the 11th instant, accompanied by the city and county physicians, I visited the pesthouse and examined the cases, finding 3 cases of varioloid, 2 of which were recovering, and the other in the third day of eruption; 1 case of variola in fifth day of eruption. I inclose herewith a copy of my report to the mayor (marked No. 1), which gives the essential facts. I was also requested to make any statement or suggestions that might be of benefit to the city. I made the suggestions inclosed (marked No. 2). I inclose other clippings from the editorial and news columns, which will show the sentiments of the people, and how the report was received. The city authorities seemed to be thoroughly satisfied, and treated me with great courtesy. I advised the establishment of a suspect hospital and detention camp in addition to the present pesthouse, and the suggestion will be adopted. The health authorities are capable and energetic, and are making a thorough canvas of the city, vaccinating all unprotected persons. I am informed that more than half the inhabitants have been vaccinated, and the work was still in progress.

Respectfully, yours,

C. P. WERTENBAKER,
Passed Assistant Surgeon, U. S. M. H. S., in command.

Smallpox in Johnson City, Tenn.

JOHNSON CITY, TENN., *February 15, 1898.*

SIR: Since my last report we have had 4 new cases develop here; 3 in quarantine, 2 men, recently from Middlesborough, and 1 woman that had not been away from here, but who had been in quarantine since the 29th of January, and 1 new case that slipped in here from Middlesborough and was concealed by negro friends. The authorities did not have him under guard but forty-eight hours before the eruption was universal; and for eight to twelve days he has been roaming the town at night. He lived across town from the others 1 mile, and we may have lots of cases develop from him.

I am, yours truly,

W. J. MILLER.

P. S.—Will be glad to have any suggestion you think proper. All cases are in pesthouse and guarded.

W. J. M.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to February 18, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Bessemer.....	To Jan. 6.....	42		
	Jan. 9-Jan. 26.....	78		
	Jan. 30-Feb. 8.....	9		
Birmingham.....	Jan. 6-Jan. 8.....	11		
	Jan. 9-Jan. 26.....	29		
	Jan. 30-Feb. 8.....	3		
Dolomite.....	Dec. 1-Jan. 17.....	21		
Newton.....	Jan. 15-Feb. 2.....	7		
Oxmar.....	Jan. 19.....			Smallpox reported.
Pinckard.....	To Feb. 2.....	50		
Selma.....	Jan. 13-Feb. 14.....	3		
Shelby.....	Jan. 28.....	1		
Talladega.....	Jan. 9-Jan. 26.....	41		
District of Columbia:				
Washington.....	Feb. 7.....	1		Naval Hospital.
Florida:				
Washington County.....	Jan. 24.....	12		
Georgia:				
Atlanta.....	Jan. 17.....	131		Most cases from county.
	Jan. 18-Jan. 25.....	18	1	
	Jan. 26-Feb. 16.....	29	1	
Kentucky:				
Middlesborough.....	Feb. 3.....	7		
New York:				
Deposit.....	Nov. 1-Nov. 30...	1		
North Carolina:				
Charlotte.....	Jan. 25.....	2		
	Jan. 26-Feb. 12.....	2		
Clay County.....	Feb. 15.....	1		
Wilmington.....	Jan. 12.....	1		
South Carolina:				
Beaufort.....	Jan. 17.....			Smallpox reported.
Greenville.....	Jan. 17.....			Do.
Orangeburg.....	Jan. 17.....			Do.
Rock Hill.....	Jan. 17.....			Do.
Spartanburg.....	Jan. 17.....			Do.
Swansea.....	Jan. 15.....			Do.
Tennessee:				
Chattanooga.....	Jan. 1-Jan. 29.....	1		
Huntington (near).....	Jan. 1-Jan. 29.....	1		
Johnson City.....	Feb. 15.....	4		
Knoxville.....	Jan. 1-Jan. 29.....	3		
Lenoir City.....	Jan. 1-Jan. 29.....	2		
Memphis.....	Jan. 22-Jan. 29.....	1		
	Jan. 30-Feb. 10.....	1		
Mingo mines.....	Jan. 1-Jan. 29.....	6		
Texas:				
Brownsville.....	Feb. 7.....	1		
Virginia:				
Colburn.....	Feb. 1.....			Do.
Norton.....	Feb. 1.....			Do.

Report of rejected immigrants at the port of New York.

**U. S. IMMIGRATION SERVICE, MEDICAL DIVISION,
New York, February 4, 1898.**

Report of immigrants examined at the port of New York during the month of January, 1898, and rejected as suffering from a loathsome or dangerous contagious disease and placed in hospital pending action of Commissioner of Immigration.

Date of certificate.	Name.	Years of age.	Nativity.	Ship.	Diagnosis.
Jan. 5.....	Mendel Jacobs.....	12	Russia.....	München.....	Favus.
Jan. 12.....	Francisek Mazurowski.....	39	.....do.....	Karlsruhe.....	Trachoma.
Jan. 15.....	Pietro Cologero.....	14	Italy.....	California.....	Favus.
Do.....	Vincenzo Di Paolo.....	19	.....do.....	.....do.....	Do.
Jan. 21.....	Mote Gerber.....	20	Russia.....	Noordland.....	Trachoma.
Jan. 24.....	Marianna Fracz.....	26	Austria.....	H. H. Meier.....	Do.
Do.....	Rachel Princewska.....	9	Russia.....	Noordland.....	Favus.
Jan. 29.....	Isaac Moses.....	9	Roumania.....	Amsterdam.....	Do.
Do.....	Moses Moses.....	1	.....do.....	.....do.....	Do.
Do.....	Giovanni Zinigola.....	19	Italy.....	Tartar Prince.....	Do.
Do.....	Guerino D'Avanzo.....	14	.....do.....	.....do.....	Do.
Do.....	Jacob R. Jung.....	25	Austria.....	Rotterdam.....	Do.
Jan. 31.....	Lea Gross.....	16	.....do.....	Edam.....	Trachoma.
Do.....	Beile Traeger.....	45	.....do.....	Rotterdam.....	Do.
Do.....	Hersh Traeger.....	16	.....do.....	.....do.....	Do.
Do.....	Chaje Traeger.....	10	.....do.....	.....do.....	Do.
Do.....	Gittel Traeger.....	10	.....do.....	.....do.....	Do.

Of the 17 immigrants rejected, 5 have been deported, 1 discharged by order of the bureau (in transit to Canada), and the remaining 11 are in hospital awaiting deportation. Number of steerage passengers examined during the month, 8,251.

Respectfully submitted, J. H. WHITE,
Passed Assistant Surgeon, U. S. M. H. S.

Report of immigration at Boston for the week ended February 12, 1898.

**OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, February 14, 1898.**

Number of alien immigrants who arrived at this port during the week ended February 12, 1898; also names of vessels and ports from which they came.

Date.	Vessel.	Wherefrom.	No. of immigrants.
Feb. 6	Steamship Boston.....	Yarmouth, Nova Scotia.....	46
Do.....	Steamship Bostonian.....	London, England.....	9
Feb. 7	Steamship Sylvania.....	Liverpool, England.....	4
Feb. 8	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	34
Feb. 9	Steamship Victorian.....	Liverpool, England.....	3
Feb. 10	Steamship Boston.....	Yarmouth, Nova Scotia.....	40
Do.....	Steamship Halifax.....	Halifax, Nova Scotia.....	11
Do.....	Steamship Baltimore.....	London, England.....	1
Feb. 11	Steamship Georgian.....	.....do.....	2
Do.....	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	43
Do.....	Steamship Canada.....	Liverpool, England.....	114
Feb. 12	Steamship Pavonia.....	.....do.....	56
Do.....	Steamship Tergeste.....	Mediterranean ports.....	1
Total.....			364

**GEORGE B. BILLINGS,
Commissioner.**

*Report of immigration at New York for the week ended February 12, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of New York, February 14, 1898.**Number of alien immigrants who arrived at this port during the week ended February 12, 1898 ;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of Im- migrants.
Feb. 6	Steamship Paris.....	Southampton.....	88
Do....	Steamship Lucania....	Liverpool and Queenstown.....	154
Feb. 7	Steamship Oevenum.....	Lisbon and the Azores.....	30
Do....	Steamship La Gascogne.....	Havre.....	186
Do....	Steamship Bolivia.....	Palermo and Naples.....	290
Feb. 8	Steamship Burgundia.....	Naples.....	246
Do....	Steamship Normannia.....	Genoa, Naples, and Gibraltar.....	255
Feb. 10	Steamship Westernland.....	Antwerp.....	138
Do....	Steamship Anchoria.....	Glasgow.....	29
Do....	Steamship Spaarndam.....	Rotterdam and Boulogne.....	132
Do....	Steamship Saale.....	Bremen.....	150
Feb. 11	Steamship Donna Maria.....	Lisbon and the Azores.....	15
Do....	Steamship Britannic.....	Liverpool and Queenstown.....	64
Do....	Steamship München.....	Bremen.....	471
Feb. 12	Steamship Veendam *	Rotterdam.....	113
Do....	Steamship St. Louis.....	Southampton.....	141
Total.....			2,502

* Steamship *Veendam* lost at sea. Passengers brought to this port by steamship *St. Louis*.THOMAS FITCHIE,
Commissioner.

QUARANTINE REPORTS.

National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Feb. 12	Nor. bk. Hermod.	Feb. 11	Maranham	Brunswick	Held for discharge of ballast.		No transactions.	13
Brunswick, Ga.	do.								1
Cape Fear, N. C.	do.								1
Deltaware Breakwater Quarantine, Del.	Feb. 5								
Eureka, Cal.	Feb. 2							No transactions.	
Grays Harbor, Wash.	Feb. 9							do.	
Gulf Quarantine, Ship Island, Miss.	Feb. 5	Am. sc. Robt. A. Snyder (a)	Jan. 24	Santiago de Cuba.	Pascagoula	Disinfected and held.	Jan. 30	2 cases of malarial fever, intermittent, in quarantine.	1
Newbern, N. C.	Feb. 12							No transactions.	
Port Townsend, Wash.	Feb. 5								3
Reedy Island Quarantine, Del.	Feb. 12								27
San Diego, Cal.	Feb. 5								2
San Francisco Quarantine, Cal.	do.	Am. ss. Rio de Janeiro.	Feb. 2	Hongkong	San Francisco	35 Chinese and 9 Japanese passengers bathed and their clothing and baggage disinfected; 2 cases of plague at Hongkong for week ended January 6 noted on bill of health.	Feb. 2	Inspected at Philadelphia. 1 boarded and passed; 1 spoken and passed.	3
South Atlantic Quarantine, Blackbeard Island, Ga.	do.								16
Tortugas Quarantine, Key West, Fla.	Jan. 29							No transactions.	
Washington, N. C.	Feb. 5							do.	
	Feb. 12							do.	

a Previously reported.

Reports of States and monthly and yearly reports of cities.

CALIFORNIA—*Sacramento*.—Month of January, 1898. Estimated population, 30,000. Total deaths, 44, including phthisis pulmonalis, 6, and diphtheria, 4.

COLORADO—*Colorado Springs*.—Month of January, 1898. Estimated population, 22,000. Total deaths, 22, including phthisis pulmonalis, 8; enteric fever, 1, and diphtheria, 1.

CONNECTICUT—*Hartford*.—Month of January, 1898. Estimated population, 72,000. Total deaths, 87, including phthisis pulmonalis, 15; enteric fever, 2, and diphtheria, 3.

FLORIDA—*Tampa*.—Month of January, 1898. Estimated population, 26,000. Total deaths, 37, including phthisis pulmonalis, 4; enteric fever, 2; croup, 1, and diphtheria, 2.

INDIANA—*Evansville*.—Month of January, 1898. Estimated population, 65,000. Total deaths, 66, including phthisis pulmonalis, 5; enteric fever, 2, and scarlet fever, 1.

MASSACHUSETTS—*Fitchburg*.—Month of January, 1898. Estimated population, 28,392. Total deaths, 32, including 4 from phthisis pulmonalis.

Newton.—Month of January, 1898. Estimated population, 27,590. Total deaths, 34, including phthisis pulmonalis, 3, and scarlet fever, 2.

MICHIGAN.—Week ended February 5, 1898. Reports to the State board of health, Lansing, from 54 observers, indicate that diarrhea increased, and pleuritis and pneumonia decreased in area of prevalence. Phthisis pulmonalis was reported present during the week at 100, measles at 41, scarlet fever at 34, diphtheria at 26, enteric fever at 20, and whooping cough at 8 places.

NEW HAMPSHIRE—*Concord*.—Month of January, 1898. Estimated population, 18,000. Total deaths, 28, including 3 from phthisis pulmonalis.

Manchester.—Month of January, 1898. Estimated population, 60,000. Total deaths, 86, including phthisis pulmonalis, 6; scarlet fever, 2; diphtheria, 4, and measles, 1.

NORTH CAROLINA.—Month of December, 1897. Reports to the State board of health from 24 towns, having an aggregate population of 126,960 (white, 72,039; colored, 54,921), show a total of 156 deaths (white, 75; colored, 81), including phthisis pulmonalis, 17; enteric fever, 5, and whooping cough, 1.

OHIO—*Cleveland*.—Month of January, 1898. Estimated population, 370,000. Total deaths, 326, including phthisis pulmonalis, 12; enteric fever, 6; scarlet fever, 1, and diphtheria, 14.

Dayton.—Month of January, 1898. Estimated population, 85,000. Total deaths, 86, including 8 from phthisis pulmonalis.

TOLEDO.—Month of January, 1898. Estimated population, 143,755. Total deaths, 116, including phthisis pulmonalis, 12; enteric fever, 3, diphtheria, 1, and whooping cough, 1.

OREGON—*Portland*.—Month of December, 1897. Estimated population, 89,000. Total deaths, 42, including phthisis pulmonalis, 7, and enteric fever, 1.

PENNSYLVANIA—*Pottsville*.—Two weeks ended February 10, 1898. Estimated population, 14,000. Total deaths, 9. No deaths from contagious diseases.

Williamsport.—Month of January, 1898. Estimated population, 35,000. Total deaths, 23, including 2 from phthisis pulmonalis.

TENNESSEE—*Chattanooga*.—Month of January, 1898. Estimated population, white, 27,000; colored, 13,000; total, 40,000. Deaths, white, 19; colored, 23; total, 42, including phthisis pulmonalis, 4; enteric fever, 1; diphtheria, 4, and whooping cough, 1.

Nashville.—Month of January, 1898. Estimated population, white, 54,595; colored, 33,159; total, 87,754. Deaths, white, 69; colored, 62; total, 131, including phthisis pulmonalis, 21; enteric fever, 2, and croup, 1.

VERMONT—*Burlington*.—Four months ended November 30, 1897. Estimated population, 15,000. Total deaths, 118, including phthisis pulmonalis, 2, and croup, 1.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Pneumonia.	Yellow fever.	Smallpox.	Varicella.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles, Whooping cough.
Allegheny, Pa.	Feb. 12	105,287	37	2						1			
Ashtabula, Ohio	do.	8,338	4										
Baltimore, Md.	do.	434,439	205	29						3	1	8	4
Bennington, Vt.	do.	6,391	3	1									
Binghamton, N. Y.	do.	35,005	21	3						1			
Boston, Mass.	do.	448,477	233	24						4		4	
Braddock, Pa.	Feb. 5	8,561	0							4			
Bristol, R. I.	do.	5,478	1										
Brockton, Mass.	Jan. 29	27,294	8	1									
Do	Feb. 5	27,294	8										
Butler, Pa.	Feb. 12	8,734	2										
Cambridge, Mass.	do.	70,028	21	3							1		
Carlisle, Pa.	do.	7,620	2										
Charleston, S. C.	Jan. 22	a 54,955	b 31	6									
Do	Jan. 29	a 54,955	c 32	4									
Chicago, Ill.	Feb. 5	1,099,850	474	56						5	1	19	3
Cincinnati, Ohio	Feb. 11	296,908	112	14						4		2	2
Cleveland, Ohio	Feb. 5	261,353	3							5			
Do	Feb. 12	261,353	97	4						2	1	2	
Columbus, Ind.	do.	6,719	2							1			
Columbus, Ohio	Feb. 11	88,150	41	3								1	
Concord, N. H.	Feb. 12	17,044	5										
Dayton, Ohio	Feb. 11	61,220	23	1									
Dedham, Mass.	Feb. 5	7,123	4	2						1			
Denver, Colo.	Jan. 29	106,713	28	7							1	1	
Do	Feb. 5	106,713	40	7						1	1	2	
Detroit, Mich.	Feb. 12	205,876	79	6								2	
Dunkirk, N. Y.	Feb. 5	9,416	3										
Erie, Pa.	do.	40,634	11	1									
Do	Feb. 12	40,634	18	1								2	
Everett, Mass.	Feb. 5	11,068	6	1									
Fitchburg, Mass.	do.	22,037	8										
Flint, Mich.	Feb. 12	9,803	0										
Galveston, Texas.	Oct. 1	29,084	7	1									
Do	Oct. 8	29,084	8	1									
Do	Oct. 15	29,084	16	1									
Do	Oct. 22	29,084	10	1									
Do	Oct. 29	29,084	14	1									
Do	Nov. 5	29,084	15	1									
Do	Nov. 12	29,084	14										
Do	Nov. 19	29,084	9	2									
Do	Nov. 26	29,084	18							1			
Green Bay, Wis.	Feb. 5	9,069	2										
Haverhill, Mass.	Feb. 14	27,412	11										1
Hoboken, N. J.	Feb. 5	43,648	18									2	
Do	Feb. 12	43,648	25	2							1		
Indianapolis, Ind.	Jan. 8	105,436	48	3						1	2	1	
Do	Jan. 15	105,436	36	3							1		1
Do	Jan. 22	105,436	52	7									
Do	Jan. 29	105,436	59	2									
Do	Feb. 5	105,436	55	11						1			
Ironton, Ohio	Feb. 12	10,939	5										
Jersey City, N. J.	Feb. 6	163,003	83	4						9		8	
Do	Feb. 13	163,003	87	6						6	1	4	
Johnstown, Pa.	Feb. 5	21,805	8										
Kalamazoo, Mich.	do.	17,853	9										
Lancaster, Pa.	Jan. 22	32,011	13	1									
Do	Jan. 29	32,011	13	1						1			
Lawrence, Mass.	Feb. 5	44,654	15	1						1			
Do	Feb. 12	44,654	19									2	
Lowell, Mass.	do.	77,696	30	4									
Lynchburg, Va.	do.	19,709	14	1						1			
McKeesport, Pa.	Feb. 5	20,741	14										
Manchester, N. H.	Feb. 12	44,126	20	2									
Martins Ferry, Ohio	Feb. 7	6,250	8	1									
Massillon, Ohio	Feb. 5	10,092	2										
Medford, Mass.	do.	11,079	2										
Do	Feb. 12	11,079	5										
Melrose, Mass.	Feb. 5	8,519	5										
Memphis, Tenn.	Feb. 12	64,495	36	5									
Michigan City, Ind.	do.	10,776	5										1
Middletown, N. Y.	Feb. 7	11,977	4										

a Estimated population, white, 28,870; colored, 30,295. Total, 65,165. b White, 14; colored, 17. c White, 9; colored, 23.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

[illegible]

Table of temperature and rainfall, week ended February 7, 1898.

[Received from Department of Agriculture. Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	19	2		.91	.46	
Portland, Me.....	21		3	.86	1.27	
Northfield, Vt.....	12		6	.56	.20	
Boston, Mass.....	25		3	.91	.65	
Vineyard Haven, Mass.....	33		4	.83	.65	
Nantucket, Mass.....	31		2	.75		.19
Woods Hole, Mass.....	28		2	.91		.76
Block Island, R. I.....	28		2	1.06	1.28	
New Haven, Conn.....	26		6	1.02		.56
Albany, N. Y.....	20		5	.70	.84	
New York, N. Y.....	29		6	.98		.50
Harrisburg, Pa.....	31		11	.70		.67
Philadelphia, Pa.....	30		6	.77		.55
New Brunswick, N. J.....	30		10	1.08		.60
Atlantic City, N. J.....	32		5	.84		.48
Baltimore, Md.....	33		9	.84		.74
Washington, D. C.....	33		10	.84		.70
Lynchburg, Va.....	38		12	.91		.90
Cape Henry, Va.....	43		11	.88		.84
Norfolk, Va.....	41		7	.91		.79
Charlotte, N. C.....	43		13	1.15		1.15
Raleigh, N. C.....	43		13	.91		.81
Kittyhawk, N. C.....	44		10	.97		.27
Hatteras, N. C.....	45			1.17		
Wilmington, N. C.....	48		12	.84		.63
Columbia, S. C.....	49		13	.98		.98
Charleston, S. C.....	51		9	.84		.80
Augusta, Ga.....	49		12	.98		.98
Savannah, Ga.....	53		11	.77		.77
Jacksonville, Fla.....	57		11	.77		.72
Jupiter, Fla.....	67		8	.69	.00	
Key West Fla.....	71		8	.42		.18
Gulf States:						
Atlanta, Ga.....	47		15	1.33		1.17
Tampa, Fla.....	66		14	.63		.63
Pensacola, Fla.....	56		13	.96		.70
Mobile, Ala.....	53		11	1.13		.69
Montgomery, Ala.....	51		14	1.33		1.17
Vicksburg, Miss.....	51		8	1.10		.89
New Orleans, La.....	57		8	1.14		.79
Shreveport, La.....	49		5	1.01		.83
Fort Smith, Ark.....	39		2	.80		.80
Little Rock, Ark.....	43		8	1.29		1.18
Palestine, Tex.....	51		4	.91		.89
Galveston, Tex.....	55		2	.77		.47
San Antonio, Tex.....	53		2	.49		.32
Corpus Christi, Tex.....	59		2	.70		.51
Ohio Valley and Tennessee:						
Memphis, Tenn.....	42		7	1.32		1.22
Nashville, Tenn.....	41		11	1.30		1.26
Chattanooga, Tenn.....	44		14	1.40		1.27
Knoxville, Tenn.....	40		12	1.33		1.16
Louisville, Ky.....	36		10	1.05		1.02
Indianapolis, Ind.....	29		8	.86		.85
Cincinnati, Ohio.....	34		9	.93		.89
Columbus, Ohio.....	30		9	.92		.72
Parkersburg, W. Va.....	33		10	.77		.45
Pittsburg, Pa.....	30		10	.72		.65
Lake Region:						
Oswego, N. Y.....	21		6	.65	.67	
Rochester, N. Y.....	21		4	.70	.07	
Buffalo, N. Y.....	21		4	.77		.45
Erie, Pa.....	25		6	.85		.71
Cleveland, Ohio.....	25		8	.70		.27
Sandusky, Ohio.....	26		7	.66		.58
Toledo, Ohio.....	25		7	.49		.44
Detroit, Mich.....	21		7	.56		.52
Lansing, Mich.....	23		10	.49		.41
Port Huron, Mich.....	20		4	.56		.33
Alpena, Mich.....	15		2	.56		.10
Sault Ste. Marie, Mich.....	8		1	.35	.08	
Marquette, Mich.....	14		0	.49	.54	

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended February 7, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Green Bay, Wis.....	13		1	.63		.37
Grand Haven, Mich.....	23		4	.56	.10	
Milwaukee, Wis.....	20		5	.42		.29
Chicago, Ill.....	24		6	.56		.50
Duluth, Wis.....	11	1		.27	.01	
Upper Mississippi Valley:						
St. Paul, Minn.....	12	4		.21		.04
La Crosse, Wis.....	17		2	.27		.07
Dubuque, Iowa.....	20		6	.35		.10
Davenport, Iowa.....	23		6	.35		.21
Des Moines, Iowa.....	20		3	.28		.26
Keokuk, Iowa.....	25		5	.42		.38
Springfield, Ill.....	27		5	.75		.73
Cairo, Ill.....	36		7	.98		.95
St. Louis, Mo.....	32		4	.63		.59
Missouri Valley:						
Columbia, Mo.....	32		5	.54		.52
Springfield, Mo.....	32		3	.80		.75
Kansas City, Mo.....	28		1	.37		.37
Wichita, Kans.....	29	4		.28		.28
Concordia, Kans.....	23	4		.21		.21
Lincoln, Nebr.....	19	9		.21		.21
Omaha, Nebr.....	23	0		.16		.14
Sioux City, Iowa.....	14	4		.14		.12
Yankton, S. Dak.....	17	8		.14		.14
Valentine, Nebr.....	21	5		.14		.12
Huron, S. Dak.....	9	11		.14		.12
Pierre, S. Dak.....	12	15		.07		.01
Moorhead, Minn.....	2	10		.20		.16
Bismarck, N. Dak.....	8	8		.14	.03	
Williston, N. Dak.....	7	13		.14		.09
Rocky Mountain Region:						
Havre, Mont.....	11	12		.14		.14
Helena, Mont.....	19	12		.21		.20
Miles City, Mont.....	13	11		.14		.11
Rapid City, S. Dak.....	20	10		.14		.13
Spokane, Wash.....	25	11		.55	.18	
Wallawalla, Wash.....	31	10		.40		.08
Baker City, Oreg.....	23	8		.42		.33
Winnemucca, Nev.....	30			.28		
Salt Lake City, Utah.....	31	2		.28		.20
Lander, Wyo.....	19	1		.14		.14
Cheyenne, Wyo.....	26	8		.07		.07
North Platte, Nebr.....	22	6		.07		.07
Denver, Colo.....	30	8		.10		.07
Pueblo, Colo.....	30	6		.07		.07
Dodge City, Kans.....	29	3		.14		.14
Oklahoma, Okla.....	37	0		.31		.31
Amarillo, Tex.....	32	8		.28		.28
Abilene, Tex.....	43	3		.33		.33
Santa Fe, N. Mex.....	31	2		.17		.17
El Paso, Tex.....	49		1	.14		.14
Phoenix, Ariz.....	52	6		.17		.17
Pacific Coast:						
Fort Canby, Wash.....	41			1.61		
Portland, Oreg.....	39	6		1.54	1.63	
Roseburg, Oreg.....	40	10		1.33		.67
Eureka, Cal.....	46			1.65		
Redbluff, Cal.....	48	1		.98	1.24	
Carson City, Nev.....	34	5		.42		.42
Sacramento, Cal.....	48	3		.84	.29	
San Francisco, Cal.....	51	1		1.04		.57
Fresno, Cal.....	49	6		.28	.21	
Los Angeles, Cal.....	54	5		.78		.70
San Diego, Cal.....	54	1		.49		.49
Yuma, Ariz.....	57	5		.14		.14

α The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to February 18, 1898.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Nov. 24-Nov. 30...	.....	4	
	Dec. 1-Jan. 11...	.....	25	
Calcutta.....	Nov. 14-Dec. 4.....	.....	42	
	Dec. 5-Jan. 1.....	.....	31	
Madras.....	Nov. 20-Dec. 10.....	.....	8	
	Dec. 4-Dec. 31.....	.....	11	
	Jan. 1-Jan. 14.....	.....	27	
Singapore.....	Nov. 1-Nov. 30.....	.....	1	

YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 27.....	3	2	Taken off of Nor. bk. Adonis.
	Dec. 29.....	6	.....
Ceara.....	Nov. 1-Nov. 30...	.....	1	
Para.....	Dec. 12-Jan. 1.....	.....	24	
	Jan. 2-Jan. 15.....	.....	22	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1	.....
	Dec. 5-Jan. 1.....	8	3	
	Jan. 1-Jan. 8.....	4	1	
Santos	Jan. 2-Jan. 8.....	1	1	
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....	.....	2	
	Jan. 3-Jan. 23.....	.....	1	
Habana	Dec. 17-Dec. 30...	.....	6	
	Dec. 31-Jan. 27.....	.....	9	
	Jan. 28-Feb. 10.....	.....	2	
Manzanillo.....	Dec. 1-Dec. 31.....	.....	28	
	Jan. 1-Jan. 15.....	.....	5	
Matanzas.....	Dec. 15-Jan. 19.....	.....	4	
Regla.....	Dec. 31-Feb. 3.....	.....	7	
Sagua la Grande.....	Dec. 18-Jan. 20.....	.....	.....	Yellow fever prevailing, but impossible to obtain statistics.
Santiago de Cuba.....	Dec. 19-Jan. 29.....	.....	6	
Jamaica:				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 22.....	1	1	
St. Andrew.....	Dec. 19-Jan. 1.....	1	.....
St. Catherine.....	Dec. 19-Jan. 1.....	1	.....
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	

PLAGUE.

China:				
Hongkong.....	Nov. 7-Nov. 20...	2	2	
	Dec. 18-Dec. 25...	2	2	
India:				
Bombay	Nov. 24-Nov. 30...	.....	70	
	Dec. 1-Jan. 11.....	.....	1,308	
Japan:				
Taiwan (Formosa).....	Dec. 28-Jan. 21...	32	.....

SMALLPOX.

Bohemia:				
Prague.....	Dec. 12-Jan. 1...	11	.....
	Jan. 2-Jan. 22...	35	.....

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Pernambuco.....	Dec. 1-Dec. 25...	.....	8	
Rio de Janeiro.....	Nov. 21-Dec. 4...	10	.....
	Dec. 5-Jan. 1...	9	1	
	Jan. 1-Jan. 8...	5	.....
Canada:				
Maissonneuve.....	Jan. 26.....	1	.....
Montreal.....	Jan. 3-Jan. 12...	3	0	
China:				
Hongkong.....	Nov. 7-Dec. 4...	6	4	
	Dec. 5-Dec. 25...	7	6	
Cuba:				
Cardenas.....	Dec. 19-Jan. 22...	.....	5	
Cienfuegos.....	Dec. 20-Jan. 2...	.....	7	
	Jan. 3-Jan. 23...	.....	19	
Habana.....	Dec. 17-Feb. 10...	.....	49	
Matanzas.....	Jan. 20-Feb. 2...	.....	2	
Sagua la Grande.....	Dec. 19-Jan. 29...	233	29	
	Jan. 30-Feb. 5...	39	10	
England:				
Liverpool.....	Jan. 15-Jan. 22...	1	.....
Southampton.....	Jan. 8-Jan. 15...	1	.....
Sunderland.....	Dec. 18-Jan. 8...	1	.....
West Hartlepool.....	Jan. 9-Jan. 22...	5	.....
Gibraltar.....	Dec. 6-Dec. 12...	1	.....
	Dec. 27-Jan. 2...	1	.....
India:				
Calcutta.....	Dec. 19-Dec. 25...	.....	1	
Madras.....	Nov. 27-Dec. 3...	.....	1	
	Dec. 4-Dec. 31...	.....	3	
	Jan. 1-Jan. 14...	.....	3	
Italy:				
Messina.....	Dec. 12-Jan. 8...	.....	5	
Japan:				
Aichi Ken.....	Dec. 28-Jan. 21...	2	.....
Akita Ken.....	Dec. 28-Jan. 21...	2	1	
Awomori Ken.....	Dec. 28-Jan. 21...	4	.....
Chiba Ken.....	Dec. 28-Jan. 21...	3	.....
Fukui Ken.....	Dec. 28-Jan. 21...	1	.....
Fukushima Ken.....	Dec. 28-Jan. 21...	8	2	
Iwate Ken.....	Dec. 28-Jan. 21...	8	2	
Kanagawa Ken.....	Dec. 28-Jan. 21...	3	.....
Kochi Ken.....	Dec. 28-Jan. 21...	1	.....
Miyagi Ken.....	Dec. 17-Dec. 27...	2	3	
	Dec. 28-Jan. 21...	9	.....
Osaka Fu.....	Dec. 28-Jan. 21...	1	.....
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....
Tokyo Fu.....	Dec. 28-Jan. 21...	2	.....
Yehime Ken.....	Dec. 17-Dec. 27...	2	1	
The Hokkaido.....	Dec. 17-Dec. 27...	70	26	
	Dec. 28-Jan. 21...	106	32	
Netherlands:				
Amsterdam.....	Dec. 12-Dec. 24...	1	.....
Rotterdam.....	Dec. 12-Dec. 31...	3	1	
	Jan. 1-Jan. 29...	1	.....
Russia:				
Moscow.....	Nov. 23-Dec. 4...	1	1	
	Dec. 5-Dec. 11...	1	1	
	Jan. 1-Jan. 8...	2	2	
Odesa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 22...	25	5	
St. Petersburg.....	Dec. 4-Dec. 25...	35	13	
	Jan. 9-Jan. 22...	42	15	
Warsaw.....	Dec. 19-Jan. 22...	.....	25	
Scotland:				
Glasgow.....	Dec. 5-Dec. 25...	3	1	
Spain:				
Corunna.....	Jan. 1-Jan. 22...	.....	1	
Madrid.....	Dec. 22-Dec. 28...	.....	1	
Turkey:				
Constantinople.....	Jan. 10-Jan. 23...	.....	27	
Uruguay:				
Montevideo.....	Dec. 25-Jan. 1...	1	.....
Wales:				
Cardiff.....	Dec. 18-Dec. 24...	1	.....

CANADA.

Smallpox in Quebec.

MONTREAL, February 11, 1898.

The present status of smallpox in this Province is as follows:

Municipality.	County.	Population.	Date of outbreak.	New cases since last report.	Total cases since outbreak.	Died.	Recovered.	Still sick.	Houses infected since outbreak.	Houses still infected.
Montreal City.....		240,000	July 2	0	25	14	11	0	17	0
Westmount.....	Hochelaga.....	6,000	July 26	0	5	1	4	0	2	0
Ste. Cunégonde.....	do.....	8,000	Aug. 27	0	1		1	0	1	0
Maisonneuve.....	do.....	2,500	Jan. 26	a 2	3			3	1	0

a In the same family.

b Except the isolation hospital.

Yours, respectfully,

ELZÉAR PELLETIER,

Secretary Board of Health of the Province of Quebec.

CUBA.

Smallpox and yellow fever in Cuban seaports.

February 7: The United States consul at Cardenas reports that during the week ended February 5, there was in that city no death from yellow fever and no death from smallpox.

February 7: The United States consul at Cienfuegos reports that during the week ended February 6, there were in that city no deaths from yellow fever and 5 deaths from smallpox.

February 10: The United States sanitary inspector at Habana reports that during the week ended February 10 there were in that city 1 death from yellow fever and 9 deaths from smallpox.

February 4: The United States consul at Matanzas reports that during the two weeks ended February 2 there were in that city 2 deaths from smallpox and no deaths from yellow fever.

February 10: The United States sanitary inspector at Habana reports that during the week ended February 10 there was in the city of Regla no death from yellow fever and no death from smallpox.

February 7: The United States consul at Sagua la Grande reports that during the week ended February 5 there were in that city 39 cases of smallpox and 10 deaths therefrom, and several cases of yellow fever, concerning which it is impossible to obtain correct statistics.

February 5: The United States consul at Santiago de Cuba reports that during the week ended February 5 there were in that city no deaths from yellow fever and no deaths from smallpox.

Sanitary report from Habana.

HABANA, February 12, 1898.

SIR: The following report for the week ended Thursday, February 10, 1898, is respectfully submitted, with the mortality of the city of Habana and town of Regla, for the period mentioned above. But 1 death has occurred from yellow fever during the past week.

There is evidently little material among the troops, but it should be stated that recruits are being brought in. The transport ship *Reina Maria Christina* brought in about 1,500 from Spain on Saturday, February 5. This is said to be the first instalment of 15,000 fresh troops to be brought here, and the arrival of that number of nonimmunes will soon augment the deaths from yellow fever.

The death from yellow fever occurring this week was that of a civilian Spaniard.

There has been some decrease in deaths from smallpox. I estimate the number of cases to be at least 100.

Deaths from intestinal diseases have increased. The total mortality also shows a decided increase over last week.

As instructed by the Bureau, I submit a tabular statement of the number of persons applying for passenger certificates, their destination, etc. The person refused certificate at this office was also refused passage by the agents of the Morgan line of steamers.

Very respectfully,

W. F. BRUNNER,

Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure No. 1.]

Number of persons applying for passenger certificates.	Florida.		New York.		New Orleans.		Total.
	Key West.	Tampa.	Ward Line.	Spanish Line.	Morgan Line.	Spanish ss. Manila.	
Granted.....	44	32	14	1	10	3	104
Refused.....					1		1

[Inclosure No. 2.]

Mortality of the city of Habana and town of Regla for the week ended Thursday, February 10, 1898.

Cause of death.	Habana.	Regla.	Total.
Yellow fever.....	1		1
Enteric fever.....	9		9
Pernicious fever.....	3		3
Malarial fever.....	14	6	20
Smallpox.....	9		9
Enteritis.....	80	13	93
Dysentery.....	27	19	46
Diarrhea.....	10	3	13
Caquexia paludica.....	16	2	18
Pneumonia.....	6		6
Tuberculosis.....	67	3	70
Meningitis.....	3	1	4
Deaths from all causes.....	377	66	443
Deaths in military hospitals.....	84	56	140
Deaths in military hospitals from yellow fever.....	0	0	
Annual ratio per 1,000.....			115.15

*Sanitary report from Santiago.*SANTIAGO DE CUBA, *February 5, 1898.*

SIR: I have the honor to inform you that 88 deaths have been reported for the week ended February 5. Of these, 3 were from tuberculosis, 6 from dysentery, 5 from enteritis, 4 from typhomalaria, 9 from pernicious and 7 from remittent fevers, 12 from anæmia and dropsy; the rest from common diseases of noncontagious or noninfectious character.

I am happy to inform you that the death rate has somewhat diminished, and the fact is owing to the use of quinine in large quantities which the United States consul, aided by commissions of charitable ladies, has distributed among the poor who can't afford to pay for it. The announced arrival of a lot of provisions will help us greatly in our humane work and will improve the general sanitary condition of Santiago de Cuba.

Respectfully,

Dr. H. S. CAMINERO,

Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

DANISH WEST INDIES.

*Quarantine against Para, Brazil, on account of yellow fever.*WASHINGTON, D. C., *February 10, 1898.*

SIR: By direction of the Secretary of State I have the honor to inclose for your information a copy of a dispatch from our minister at Copenhagen, reporting that the Government of the Danish West Indies has declared a quarantine against Para, Brazil, on account of yellow fever.

Respectfully, yours,

WILLIAM R. DAY,

Assistant Secretary.

Hon. SECRETARY OF THE TREASURY.

[Inclosure.]

LEGATION OF THE UNITED STATES,

COPENHAGEN, *January 26, 1898.*

SIR: I have the honor to report that the Minister of Foreign Affairs has officially informed me that the Danish West Indies have declared a five days' quarantine against ships arriving from Para, Brazil, owing to the existence of yellow fever at that place.

I have the honor to be, sir, your obedient servant,

LAURITS S. SWENSON.

Hon. SECRETARY OF STATE.

SAN SALVADOR.

Disappearance of yellow fever.

CONSULATE OF THE UNITED STATES,

SAN SALVADOR, *January 6, 1898.*

SIR: I have the honor and the pleasure of informing the Department of State of the general disappearance of yellow fever from this Republic.

I have the honor, sir, to be your obedient servant,

JOHN JENKINS,

United States Consul.

Hon. ASSISTANT SECRETARY OF STATE.

JAPAN.

Sanitary report from Yokohama.

YOKOHAMA, January 22, 1898.

SIR: I have the honor to forward herewith my regular report of infectious diseases in Japan for the period from December 28, 1897, to the 21st of the current month.

With the exception of the outbreak of smallpox in the Hokkaido (Yezo), it will be seen that there is but little infectious disease now prevalent in Japan proper. As regards the plague returned from Formosa, details are wanting, but there seems little reason to fear a severe epidemic at present.

I am, sir, very respectfully your obedient servant,

STUART ELDRIDGE, M. D.,
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure.]

Report of infectious diseases in Japan, December 28, 1897, to January 21, 1898.

Locality.	Plague.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....			7	6		
Osaka Fu.....	1				1	
Tokyo Fu.....	5				2	
Aichi Ken.....	11		1		2	
Akita Ken.....	8		2		2	1
Awamori Ken.....	12		3		4	
Chiba Ken.....	14		3		3	
Fukui Ken.....	2		1		1	
Fukuoka Ken.....						
Fukushima Ken.....	2		1		8	2
Gifu Ken.....	4		3			
Gumma Ken.....	10		1			
Hioo Ken.....	11		4			
Hiroshima Ken.....	5		3			
Ibaraki Ken.....	3		1			
Ishikawa Ken.....						
Iwate Ken.....	7		5		8	2
Kagawa Ken.....						
Kagoshima Ken.....	32		11			
Kanagawa Ken.....	13		3		3	
Kochi Ken.....	1		5		1	
Kumamoto Ken.....						
Miyagi Ken.....			1		9	
Miyazaki Ken.....			1			
Miye Ken.....						
Nagano Ken.....	38		32			
Nagasaki Ken.....						
Nara Ken.....						
Niigata Ken.....						
Oita Ken.....	12		6			
Okayama Ken.....	1		2			
Okinawa Ken.....						
Saga Ken.....						
Saitama Ken.....	30		18			
Shizuoka Ken.....	59		36			
Shiga Ken.....	1		1			
Shimane Ken.....	7		5			
Tochigi Ken.....	1					
Tokushima Ken.....						
Tottori Ken.....						
Toyama Ken.....						
Wakayama Ken.....						
Yamagata Ken.....	4		1			
Yamaguchi Ken.....	1					

Report of infectious diseases in Japan, etc.—Continued.

Locality.	Plague.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Yamanashi Ken.....			15	37		
Yehime Ken.....					106	32
The Hokkaido.....						
Taiwan (Formosa).....	32	(a)				
Totals.....						

a No report.

STUART ELDRIDGE, M. D.,
Sanitary Inspector, U. S. M. H. S.

TURKEY.

*Sanitary report from Constantinople.*CONSTANTINOPLE, *January 27, 1898.*

SIR: I beg to forward herewith, for the PUBLIC HEALTH REPORTS, the report No. 184 of Dr. Zavitziano, United States Sanitary Commissioner.

I have the honor to be, sir, your obedient servant,

J. W. RIDDLE.

Hon. SECRETARY OF STATE.

[Inclosure—Report No. 184.]

CONSTANTINOPLE, *January 27, 1898.*

The question which interests very much the sanitary authorities of the Turkish Empire is the epidemic of plague in British India. The number of deaths from bubonic plague registered in Bombay is always increasing. According to official intelligences forwarded by the secretary of the governor of Bombay to the sanitary board of Alexandria, during the week ended the 10th of January, 411 plague deaths were registered, and during the week ended the 17th of this same month the number of plague deaths was 657. With the gathering of the pilgrims in Mecca and the deficiency of the sanitary defense of the Persian Gulf, this epidemic becomes a real danger for the Turkish Empire and consequently for Europe.

The Ottoman consul at Bombay as well as the sanitary authorities at Bassorah state that many Indian pilgrims, in order to avoid the ten days' quarantine at Camaran, go to Muscat, on the Arabian coast, and thence, by other steamers, go directly to Yeddah without undergoing any quarantine. They do the same thing in the Persian Gulf. In order to avoid the quarantine at Bassorah, which quarantine is really imperfect and quite illusive, they land at Mohamara, whence they can enter the Turkish Empire without submitting to the ten days' quarantine.

The Persian Ambassador to the Sublime Porte has announced that at Linga, Bender-Abbas, Bender-Bushir, as well as Mohamara, there are sanitary officials, and the passengers, as well as the trade goods, are submitted to sanitary regulations. The latter are submitted to chemical disinfection. The International Sanitary Commission decided, at the last sitting of the 25th instant, that "arrivals from the Persian Gulf, as well as from Muscat, will, since this date, be submitted to a ten days' quarantine at the lazaretto of Bassorah or of that of Azir. The arrivals from the above-mentioned places will be also submitted to the same quarantine of ten days at the lazaretto of Camaran. Arrivals from Mohamara by land will be repulsed."

The sanitary news from the Turkish provinces is rather good.

In Constantinople for three days a heavy storm has been raging and snow is falling without cessation. Up to this moment we do not know if there is any loss of life.

The number of deaths registered in Constantinople within the fortnight ended the 23d instant is 636, of which 2 are from scarlet fever, 8 from measles, 13 from typhoid fever, 14 from diphtheria, and 27 from smallpox.

I have the honor to forward the copy of three reports concerning the Persian Gulf as well as the Oman Gulf.

SPIRIDION C. ZAVITZIANO,
United States Sanitary Commissioner.

STATISTICAL REPORTS.

BERMUDA.—Two weeks ended January 28, 1898. Estimated population, 15,013. No deaths.

CHILE—*Antofagasta*.—Month of December, 1897. Estimated population, 14,000. Total deaths, 50, including 2 from phthisis pulmonalis.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended January 29 correspond to an annual rate of 18.7 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Wolverhampton, viz, 29.6, and the lowest in Croydon, viz, 11.3.

London.—One thousand seven hundred and sixty-four deaths were registered during the week, including measles, 79; scarlet fever, 17; diphtheria, 36; whooping cough, 84; enteric fever, 9, and diarrhea and dysentery, 10. The deaths from all causes correspond to an annual rate of 20.4 a thousand. In greater London 2,291 deaths were registered, corresponding to an annual rate of 18.6 a thousand of the population. In the "outer ring" the deaths included 15 from diphtheria, 16 from measles, 3 from scarlet fever, and 24 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 29 in the 23 principal town districts of Ireland was 25.4 a thousand of the population. The lowest rate was recorded in Newtownards, viz, 5.7, and the highest in Portadown, viz, 43.3 a thousand. In Dublin and suburbs 194 deaths were registered, including diphtheria, 1; enteric fever, 6; scarlet fever, 3, and whooping cough, 4.

Scotland.—The deaths registered in 8 principal towns during the week ended January 29 correspond to an annual rate of 17.4 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Leith, viz, 9.5, and the highest in Greenock, viz, 21.3 a thousand. The aggregate number of deaths registered from all causes was 525, including measles, 6; scarlet fever, 7; diphtheria, 3, and whooping cough, 27.

IRELAND—*Dublin*.—Quarter ended December 31, 1897. Estimated population, 349,594. Total deaths, 2,143, including typhus fever, 1; enteric fever, 99; scarlet fever, 35; diphtheria, 16, and measles, 2.

SPAIN—*Corunna*.—Year ended December 31, 1897. Estimated population, 37,500. Total deaths, 1,397, including smallpox, 10; enteric fever, 68; scarlet fever, 2; diphtheria, 10; measles, 18, and whooping cough, 3.

WEST INDIES—*Guadaloupe*.—Month of December, 1897. Estimated population, 18,500. Total deaths, 34. No deaths from contagious diseases.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aix la Chapelle	Jan. 22	127,028	40						1			1
Amapala	Jan. 1	1,500	1					1				
Do.	Jan. 8	1,500	2					2				
Do.	Jan. 15	1,500	1					1				
Do.	Jan. 22	1,500	1					1				
Amsterdam	Jan. 29	503,045	134					2	1	1		2
Antofagasta	Dec. 31	14,000	12									
Belfast	Jan. 22	304,610	147					10	1	1	1	1
Belize	Feb. 4	13,000	6									
Berlin	Jan. 15	1,728,201	555					4	6	12	7	
Birmingham	Jan. 29	505,772	210					4	2	4	9	5
Bluefields	do	3,000	0									
Bombay	Jan. 11	821,764	a 1,307	4							5	
Bristol	Jan. 22	316,900	97					1	1	1	8	1
Brussels	do	531,011	173						1	1		
Budapest	do	640,000					3		3	3		
Calcutta	Jan. 1	681,560	458	4								
Cardenas	Feb. 5	23,517	50					12				
Catania	Jan. 27	120,000	71						2	2		
Chemnitz	Jan. 22	163,000	73				1		1	3		
Christiania	Jan. 29	200,000	40									
Cienfuegos	Feb. 6	24,030	72		5							
Cognac	Feb. 1	20,000	12									
Cologne	Jan. 22	340,896	129					1				
Colombo	Dec. 25	130,000	91					2			5	7
Do.	Jan. 1	130,000	111					3				
Do.	Jan. 8	130,000	99					1				
Copenhagen	Jan. 22	351,000	119						2	5	9	10
Corunna	Jan. 8	37,000	16									
Do.	Jan. 15	37,000	24									
Do.	Jan. 22	37,000	17					1				
Crefeld	Jan. 29	108,121	26				1	1				
Dundee	do	164,575	56						3	2	1	
Dusseldorf	Jan. 22	191,605	60						2			
Flushing	Jan. 29	17,193	9								1	1
Frankfort on the Main	do	244,000	87									
Ghent	do	161,125	70					1		2	1	
Gibraltar	Jan. 23	25,900	8									
Gothenburg	Jan. 22	119,754	36							1	2	1
Guayaquil	Jan. 21	50,000	34									
Do.	Jan. 28	50,000	37									
Halifax	Feb. 5	38,700	16									
Hamburg	Jan. 29	661,015	201						1	4		1
Honolulu	Jan. 15	30,000	15					1				
Iquique	Jan. 8	33,106	38									
Do.	Jan. 15	33,106	34									
Kingston, Canada	Feb. 11	19,000	4									
Leeds	Jan. 29	416,618	129					2	4	3	2	6
Leghorn	do	104,063	37									
Leipsic	Jan. 22	422,071	137						1	3		
Do.	Jan. 29	422,071	144					1	2	1	2	
Liege	Jan. 22	166,110	62								1	
Livingston	Jan. 29	2,000	2									
London	Jan. 22	6,408,321	2,597					13	19	40	158	89
Madras	Dec. 31	452,518	306	3		2					8	
Do.	Jan. 7	452,518	354	8		2					8	
Madrid	Dec. 28	487,169	288			1	1			3	1	
Do.	Jan. 4	487,169	351				12			7	6	
Do.	Jan. 11	487,169	300				1		1	7	3	
Do.	Jan. 18	487,169	293					7		2	2	
Do.	Jan. 25	487,169	274					5		3	3	
Magdeburg	Jan. 1	221,748	81									2
Mannheim	Jan. 22	101,500	43							1		
Matamoros	Feb. 4	16,304	7									
Mayence	Jan. 22	77,500	35							1	1	
Messina	Jan. 29	107,000	32					1				1
Naples	do	570,000	269					6				
Newcastle-on-Tyne	Jan. 22	217,555	66								2	2
Nuremberg	Jan. 15	183,397	73						2			
Odessa	Jan. 22	383,000	151		1					5	5	
Osaka and Hiogo	Dec. 25	182,730	98							1		
Do.	Jan. 8	182,730	115					2		2		
Do.	Jan. 15	182,730	90							1		
Paris	Jan. 8	2,511,953	1,227					2	1	5	8	

a Four hundred and fifty deaths from plague.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Paris.....	Jan. 15.....	2,511,955	1,244	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Jan. 22.....	2,511,955	1,220	.....	.....	.....	.....	4	2	10	11
Plymouth.....	Jan. 29.....	97,658	36	.....	.....	.....	.....	.....	.....	.....	.....
Prague.....	Jan. 23.....	185,919	107	.....	.....	.....	.....	2	3	1	.....
Puerto Cortez.....	Feb. 2.....	2,000	0	.....	.....	.....	.....	.....	.....	.....	.....
Quebec.....	Feb. 5.....	72,000	.....	.....	.....	.....	.....	.....	1	.....	.....
Rhems.....	Jan. 29.....	108,943	59	.....	.....	.....	.....	.....	.....	.....	.....
Rotterdam.....	do.....	298,432	120	.....	.....	.....	.....	.....	1	.....	1
Sagua la Grande.....	do.....	17,536	80	.....	5	.....	.....	.....	.....	.....	.....
St. John Antigua.....	Jan. 15.....	36,119	11	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Jan. 22.....	36,119	19	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Jan. 29.....	36,119	9	.....	.....	.....	.....	.....	.....	.....	.....
St. Petersburg.....	Jan. 22.....	1,267,023	678	.....	.....	.....	.....	.....	.....	.....	.....
St. Stephens.....	Feb. 5.....	3,000	1	.....	8	.....	30	12	46	14	2
San Juan del Norte.....	Jan. 22.....	1,156	.....	.....	.....	.....	.....	.....	.....	.....	.....
Schiedam.....	Jan. 29.....	26,554	11	.....	.....	.....	.....	.....	.....	.....	.....
Sheffield.....	Jan. 22.....	356,521	135	.....	.....	.....	.....	2	.....	1	12
Do.....	Jan. 29.....	356,661	138	.....	.....	.....	.....	1	1	1	5
Southampton.....	do.....	100,886	29	.....	.....	.....	.....	.....	.....	.....	.....
South Shields.....	Jan. 22.....	78,291	26	.....	.....	.....	.....	.....	.....	.....	.....
Stettin.....	do.....	150,000	63	.....	.....	.....	.....	.....	.....	.....	.....
Stockholm.....	do.....	275,000	99	.....	.....	.....	.....	.....	.....	.....	.....
Stuttgart.....	Jan. 27.....	162,934	58	.....	.....	.....	.....	.....	.....	.....	.....
Sunderland.....	Jan. 15.....	143,849	56	.....	.....	.....	.....	.....	1	1	3
Do.....	Jan. 22.....	143,849	56	.....	.....	.....	.....	.....	.....	.....	.....
Tegucigalpa.....	Jan. 23.....	12,000	8	.....	.....	.....	.....	.....	.....	.....	.....
Trieste.....	Jan. 22.....	158,314	93	.....	.....	.....	.....	1	2	.....	.....
Tuxpan.....	do.....	10,280	6	.....	.....	.....	.....	.....	.....	.....	.....
Vera Cruz.....	Feb. 3.....	30,000	31	.....	.....	.....	.....	.....	.....	.....	.....
Warsaw.....	Jan. 15.....	601,408	205	.....	7	2	.....	8	6	8	.....
Do.....	Jan. 22.....	601,408	.....	.....	2	.....	.....	8	7	7	.....

By authority of the Secretary of the Treasury :

WALTER WYMAN,
Supervising Surgeon-General U. S. Marine-Hospital Service.